



DoD Global Influenza and Other Respiratory Viral Pathogens Week 8 (20 Feb – 26 Feb) Weekly Surveillance Report



Number of new isolates for Week 8: 19 Influenza A, 6 Influenza B

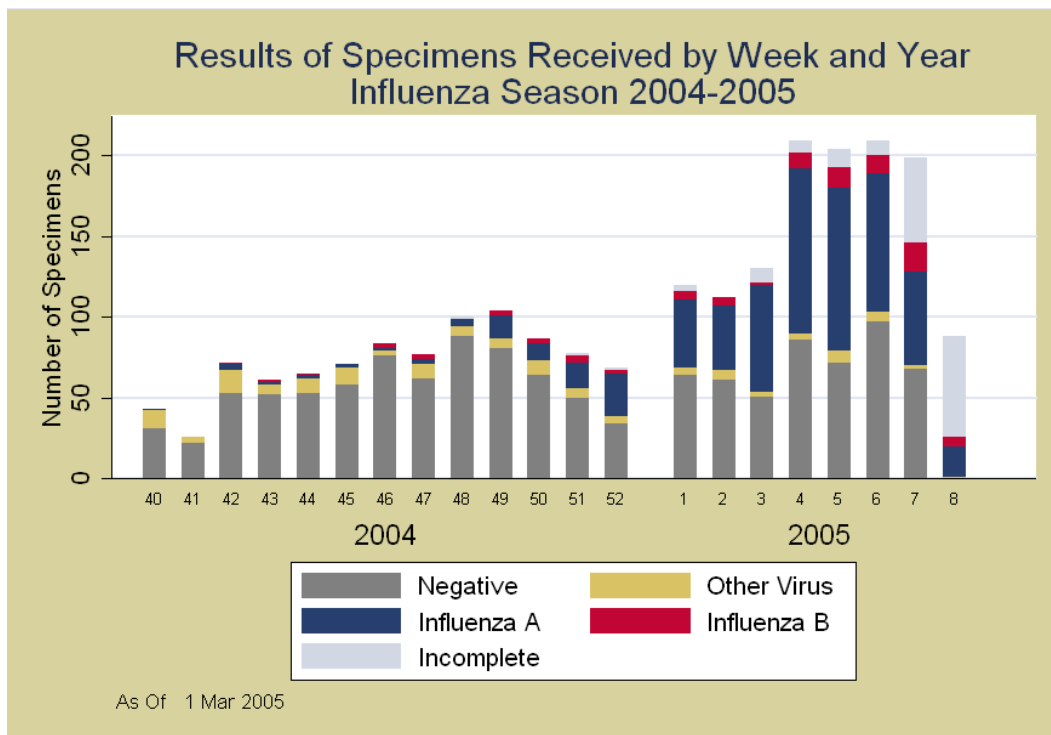
In addition, **109** influenza A and **26** influenza B isolates were newly identified during Week 8, but were collected prior to that week. The listing by individual bases is in a [table](#) at the back of the report.

To make the report shorter and easier to read “at a glance”, the CDC regional graphs have been linked to our website. [Click here](#) to get the CDC regional map and links to the graphs.

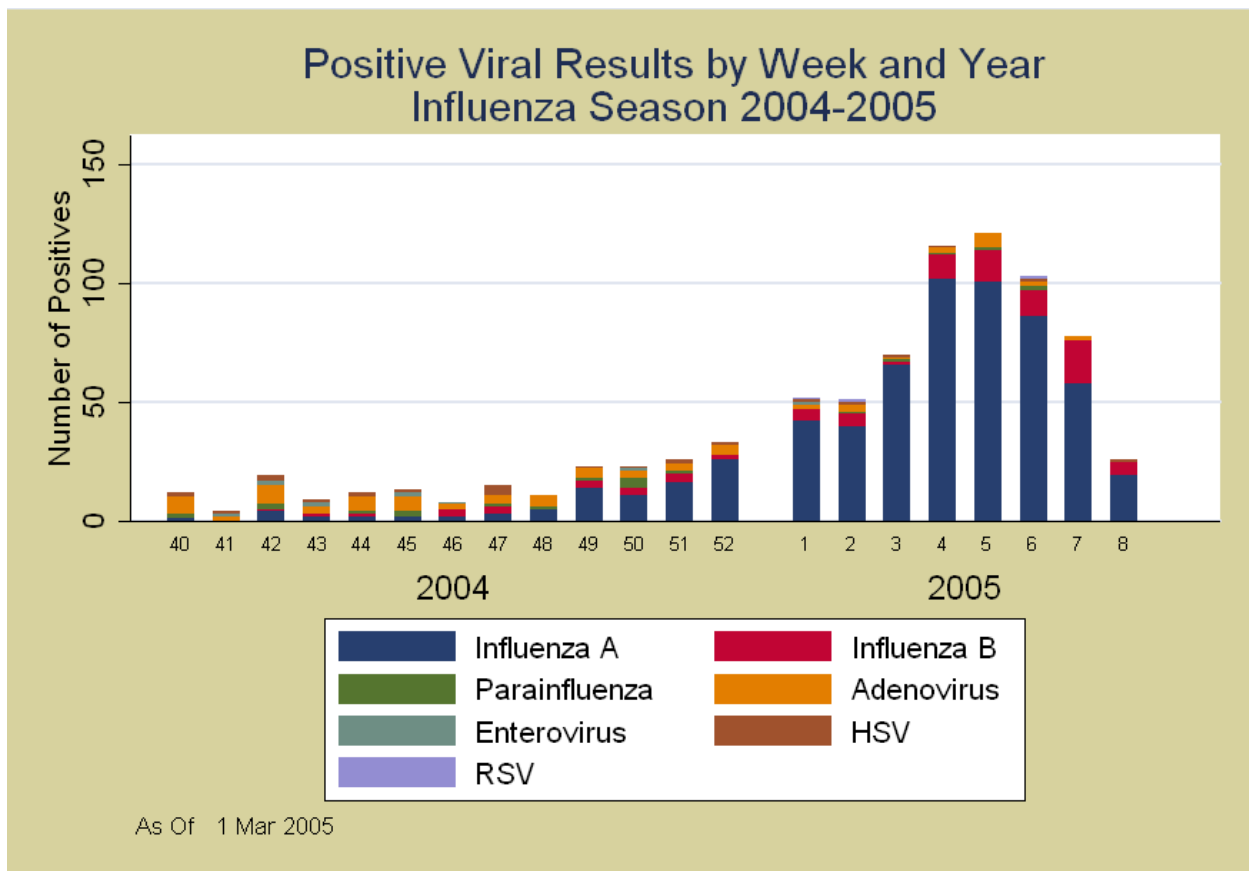
COMMENTS ON CURRENT TRENDS: Influenza activity overall has decreased somewhat during week 8, though it is too early to say whether the season has truly peaked. U.S. trends continue to mirror that of CDC surveillance, with the A/H3N2 subtype still predominating and widespread activity in the Mid- and South-Atlantic regions. Increased activity at German sites follows trends seen in Europe overall, with influenza infection currently peaking in northeastern countries. Sites in Japan have recently sent several influenza B positive specimens, corresponding to a recent increase in influenza B activity reported by Japanese health officials.

SUMMARY:

Since **3 October 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has processed 2057 specimens as part of the influenza surveillance program. Of those specimens, 602 (29%) were positive for influenza A, and 90 (4%) were positive for influenza B. In addition, 160 specimens are still being processed.



OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:

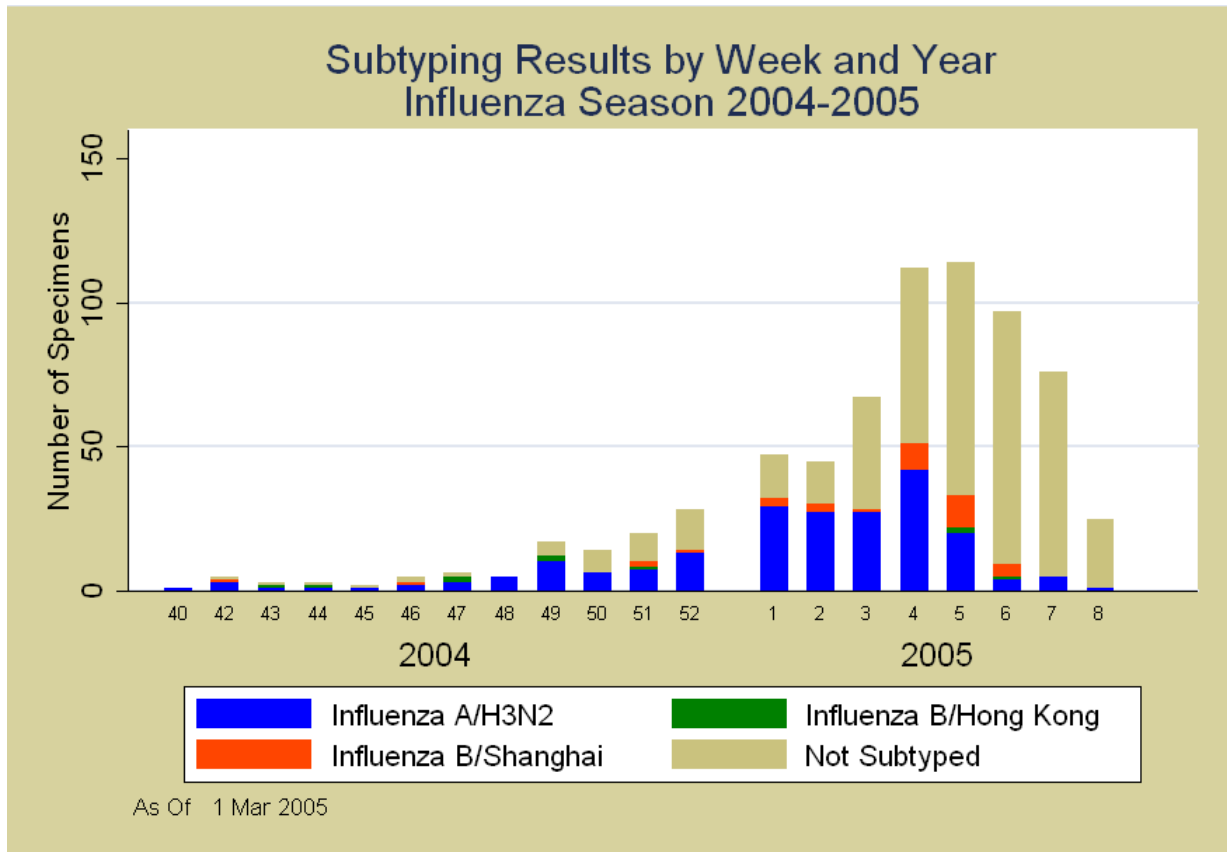


Note: Graphs do not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

SUBTYPING:

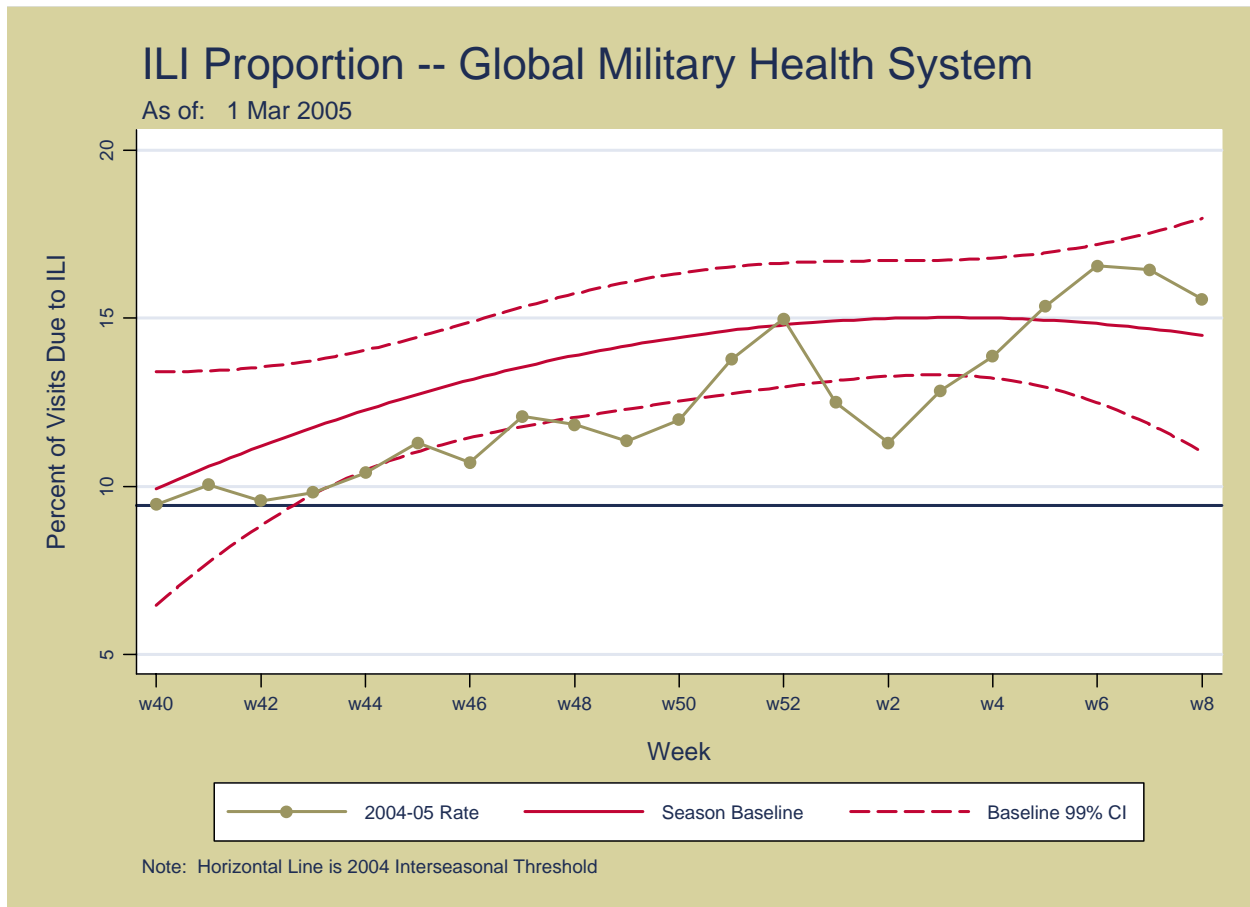
Since **3 October 2004**, we have subtyped 254 isolates using either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI): 208 are Influenza A/H3N2, 10 are Influenza B/Hong Kong, and 36 are Influenza B/Shanghai. The following graph summarizes overall subtyping results. Subtyping results for individual bases can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/>



INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of weekly outpatient visits at military installations that had an ICD-9 code correlating with Influenza-Like Illness as defined by ESSENCE. Visit and coding data were taken from ESSENCE. A seasonal baseline and 99% confidence intervals are included for comparison. The baseline was calculated from ESSENCE data for the previous 2 years. Note that the ESSENCE definition for Influenza-Like Illness differs from the CDC definition. See our website for a detailed explanation.



Graphs for individual bases and regions can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILIChartsform.cfm>

NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 7 (the latest report available), CDC reported continued increasing influenza activity, mostly in the eastern United States. Laboratory surveillance identified 910 specimens (20.4%) positive for influenza. Of these, 128 were influenza A (H3N2), 594 were influenza A viruses that were not subtyped, and 187 were influenza B. Thirty-three states reported widespread influenza activity, 15 states reported regional activity, and 2 states, New York City, and the District of Columbia reported local activity.

INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Weeks 7-8**

South America: Brazil and Chile reported sporadic activity.

Asia: China, Iran, and Israel reported sporadic activity.

Europe: Spain and Sweden reported sporadic activity. Denmark, Poland, and Romania reported local outbreaks. Finland, France, and Greece reported regional outbreaks. Belarus, Belgium, Italy, Norway, Portugal, the Russian Federation, Switzerland, and Ukraine reported widespread outbreaks.

North America: The United States reported a widespread outbreak.

Africa: No activity reported.

Note: WHO review has been expanded to the previous 2 weeks in order to capture delayed reports from countries.

ADDITIONAL INFORMATION:

- **Avian Influenza Update:** The WHO website was last updated on 9 Feb. However, wire news reports have noted 5 cases of recent avian influenza in Vietnam, 1 from Hanoi and the rest from Thai Binh (a province southeast of Hanoi). Preliminary reports indicate all had some type of contact with poultry, though not necessary with live chickens. There is a possible link with the practice of eating chicken for the Lunar New Year celebrations.

While we prefer to report events considered “official” by the WHO, we will also note wire news reports when it appears that the WHO website has not been updated.

- **Influenza-Associated Pediatric Deaths:** The CDC has reported pediatric deaths related to influenza infection from nine states this season: California, Georgia, Maine, Massachusetts, Mississippi, New Jersey, Ohio, Pennsylvania, and Vermont.

Please direct any questions or comments to: influenza@brooks.af.mil

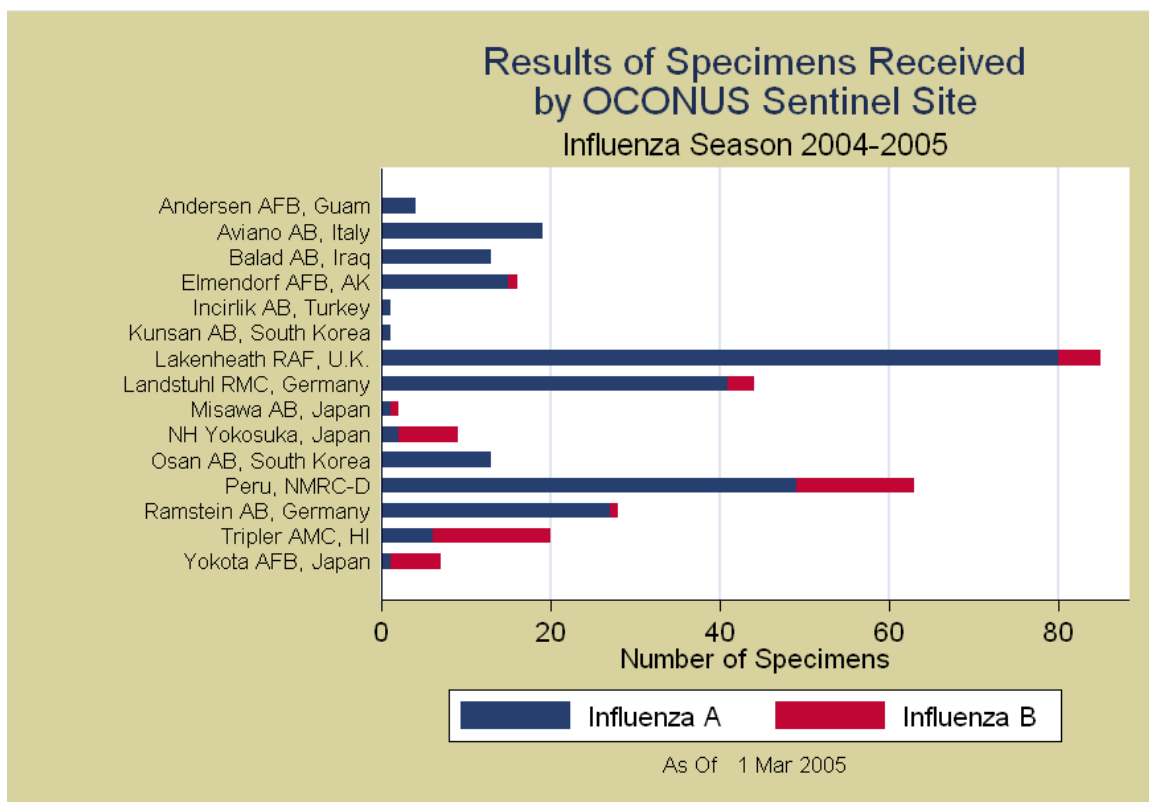
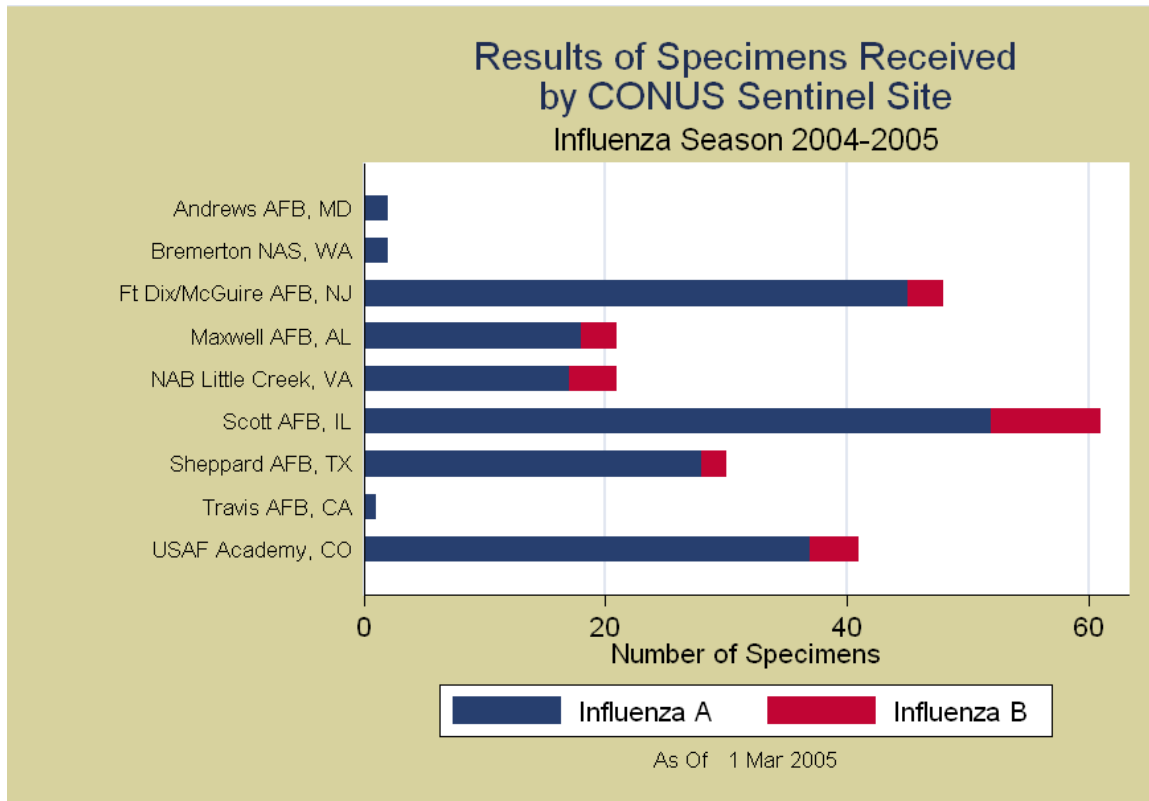
Tables 1 and 2: Respiratory Specimens Submitted by Sentinel Sites, and by Overseas Laboratories since October 3, 2004 (including Incomplete Processing)

AETC	Specimens Submitted
Maxwell AFB, AL	58
Sheppard AFB, TX	202
AMC	Specimens Submitted
Andrews AFB, MD	10
Travis AFB, CA	23
McGuire AFB/Ft Dix, NJ	101
Scott AFB, IL	303
CENTCOM	Specimens Submitted
Ganci AB, Kyrg	0
Al Udeid AB, Qatar	1
Balad AB, Iraq	22
PACAF	Specimens Submitted
Hickam AFB/NS Pearl Harbor, HI	0
Kadena AB, Japan	1
Kunsan AB, Korea	8
Andersen AFB, Guam	13
Yokota AB, Japan	27
Misawa AB, Japan	29
Osan AB, Korea	29
Elmendorf AFB, AK	43
USAFA	Specimens Submitted
US Air Force Academy, CO	54

USAFE	Specimens Submitted
Incirlik AB, Turkey	15
Aviano AB, Italy	37
Ramstein AB, Germany	63
RAF Lakenheath, UK	208
ARMY	Specimens Submitted
Landstuhl RMC, Germany	47
Tripler AMC, HI	23
COAST GUARD	Specimens Submitted
CGS Ketchikan, AK	0
NAVY	Specimens Submitted
NMC San Diego, CA	5
NH Yokosuka, Japan	20
Bremerton NS, WA	9
NAB Little Creek, VA	52
<i>TOTAL for SENTINEL SITES</i>	<i>1246</i>

OVERSEAS LAB	Specimens Submitted
AFRIMS, Thailand	0
AFRIMS, Nepal	0
NMRC-D, Nicaragua	0
NMRC-D, Peru	364
<i>TOTAL for OVERSEAS LABS</i>	<i>364</i>

SENTINEL SITE GRAPHS



Numbers and graphs for individual bases can be found on the AFIOH Influenza Surveillance website:
<https://gumbo.brooks.af.mil/pestilence/Influenza/>

Table 3. Summary of Recently Processed Specimens from All Sites

Location	Results of Specimens Processed during current week*				
	Negative	Influenza A	Influenza B	Adenovirus	Other
TOTAL	217	151	36	6	4**
NORTH AMERICA	124	67	13	3	2
PACOM	5	6	15	0	0
EUCOM	28	57	3	0	0
CENTCOM	0	0	0	0	0
SOUTH AMERICA	60	21	5	3	2

Comments: * Influenza A and B totals include recent subtyping results.

**1 HSV, 1 Enterovirus, 2 RSV

Table 4: Newly Identified Influenza Specimens this Week, by Base

Site Name	Influenza A		Influenza B	
	New*	Old**	New*	Old**
Barksdale AFB, LA		1		
Buckley AFB, CO		1		
Goodfellow AFB, TX		1		
Keesler AFB, MS	2	5		
Lackland AFB, TX	1	6		
Maxwell AFB, AL	3			
McConnell AFB, KS		1	1	
McGuire AFB, NJ	1	1	2	
NAB Little Creek, VA	4	5	1	2
Scott AFB, IL	4	12	1	5
Sheppard AFB, TX		5		1
Tinker AFB, OK	1	10		
USAF Academy, CO		3		
Aviano AB, Italy		1		
Landstuhl RMC, Germany		24		2
Misawa AB, Japan				1
NH Yokosuka, Japan		1		6
NMRC-D, Peru***		21		4
Osan AB, South Korea		1		
RAF Lakenheath, UK***	3	6		1
Ramstein AB, Germany		4		
Yokota AFB, Japan			1	4

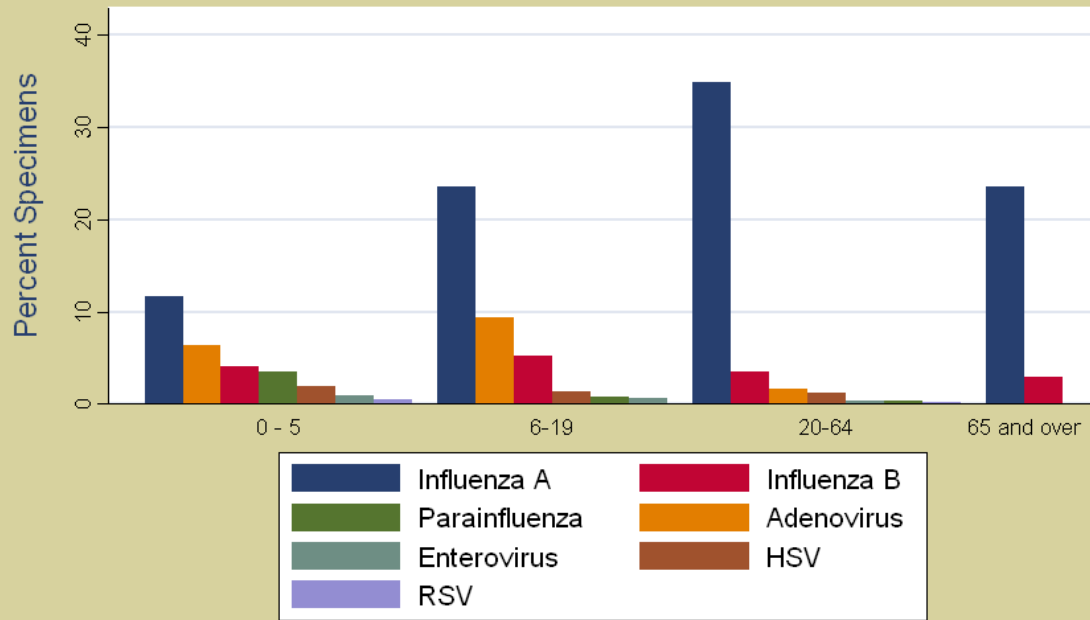
*New: newly identified and collected during current week

**Old: newly identified, but collected prior to current week

*** In the past two weeks we have received large shipments of specimens from Landstuhl RMC, Germany and NMRC-D, Peru; these specimens were collected prior to the current week over a period of several weeks and do not reflect a short-term "spike" in cases.

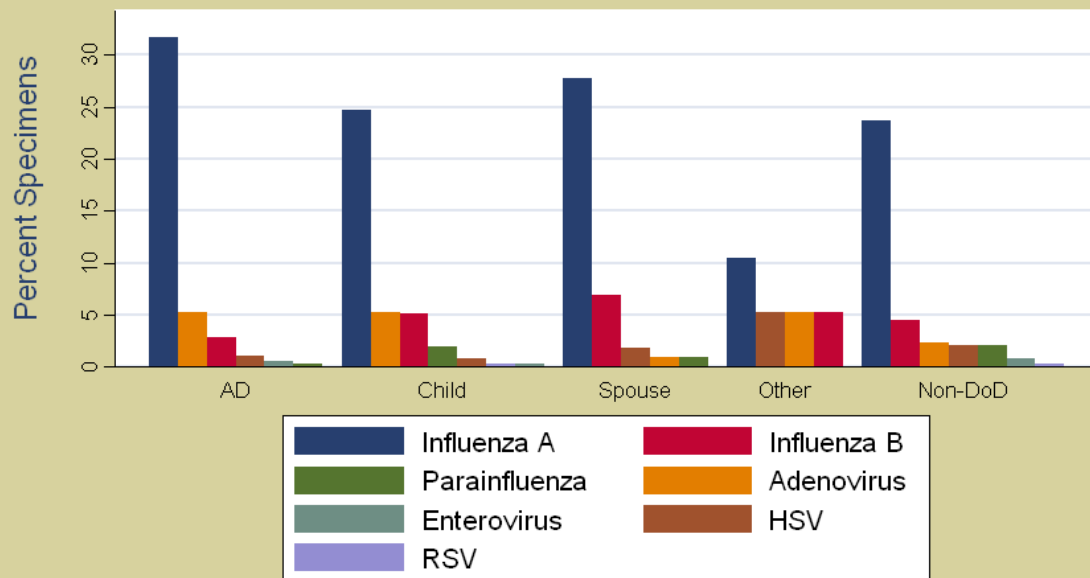
DEMOGRAPHIC GRAPHS

Percent of Respiratory Virus Submissions by Age Group
Influenza Season 2004-2005



As of 1 Mar 2005

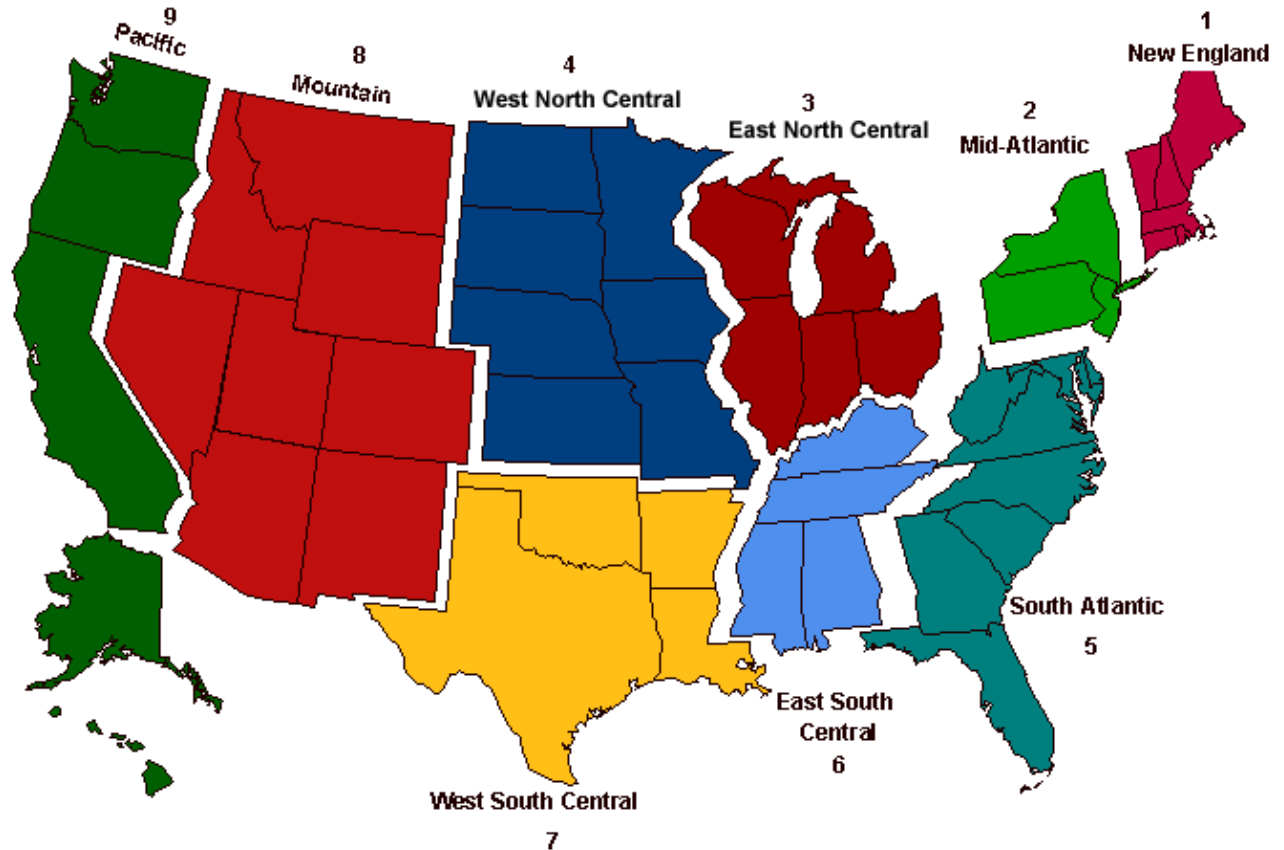
Percent of Respiratory Virus Submissions
by Family Military Prefix
Influenza Season 2004-2005



As of 1 Mar 2005

LINKS TO POSITIVE VIRAL RESULT GRAPHS BY CDC REGION

Click on links below map to access graphs.



[New England](#)

[West North Central](#)

[West South Central](#)

[Mid Atlantic](#)

[South Atlantic](#)

[Mountain](#)

[East North Central](#)

[East South Central](#)

[Pacific](#)

Overseas Bases:

[Pacific Rim](#) (includes bases in Japan, Korea, Guam)

[Europe](#) (includes bases in UK, Germany, Italy, Turkey)

[South America](#) (includes overseas lab in Peru)

[Deployed Areas](#) (includes sites in Iraq)